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(54) Title: WIDE-FIELD-OF-VIEW PROJECTION DISPLAY

(57) Abstract

A wide-field-of-view projection display comprises a circularly symmetric lens (1) and an array of light emitters (2), positioned along the focal circumference of the circularly symmetric lens so that light from each of the light emitters is substantially collimated by the lens in a different direction. A ray-diverting means, such as a slab waveguide (10) or a reflector, ejects the collimated light out of the plane of the lens to the viewer. The planar circularly symmetric lens has no aberration, allowing adjacent views to be seamlessly joined because they can all be diffused by the same angular amount.

